

SEQUENCE LISTING

<110> CLARK, Susan J.
MILLER, Douglas S.
MOLLOY, Peter L.

<120> ASSAY FOR METHYLATION IN THE GST-PI GENE

<130> Q-61152

<140> 09/673,448

<141> 2000-10-16

<150> PCT/AU99/00306

<151> 1999-04-23

<150> PP 3129

<151> 1998-04-23

<160> 59

<170> PatentIn version 3.0

<210> 1

<211> 29

<212> DNA

<213> Homo sapiens

<400> 1

cgagaggttt tcgttggagt ttcgtcgtc

29

<210> 2

<211> 25

<212> DNA

<213> Homo sapiens

<400> 2

cgttattagt gactacgcgc ggttc

25

<210> 3

<211> 24

<212> DNA

<213> Homo sapiens

<400> 3

yggttttagg gaattttttt tcgc

24

<210> 4

<211> 28

<212> DNA

<213> Homo sapiens

<400> 4

ygygygtta gtttggtgyg tatatttc

28

<210> 5
<211> 29
<212> DNA
<213> Homo sapiens

<400> 5
gggaattttt tttcgcgatg ttttyggcgc

29

<210> 6
<211> 24
<212> DNA
<213> Homo sapiens

<400> 6
tttttagggg gtttyggagcg tttc

24

<210> 7
<211> 19
<212> DNA
<213> Homo sapiens

<400> 7
ggtaggttgy gtttatcgc

19

<210> 8
<211> 27
<212> DNA
<213> Homo sapiens

<400> 8
aaataattcra atctctccga ataaacg

27

<210> 9
<211> 27
<212> DNA
<213> Homo sapiens

<400> 9
aaaaaccraa ataaaaacca cacgacg

27

<210> 10
<211> 25
<212> DNA
<213> Homo sapiens

<400> 10
tcccatccct ccccgaaacg ctccg

25

<210> 11

<211> 33
<212> DNA
<213> Homo sapiens

<400> 11
gaaacgctcc gaacccccta aaaaccgcta acg

33

<210> 12
<211> 27
<212> DNA
<213> Homo sapiens

<400> 12
crrcctaataa tccccraaat crccgcg

27

<210> 13
<211> 30
<212> DNA
<213> Homo sapiens

<400> 13
agcccracra ccrctacacc ccraacgtcg

30

<210> 14
<211> 31
<212> DNA
<213> Homo sapiens

<400> 14
ctcttctaaa aaatcccrer aactcccgcc g

31

<210> 15
<211> 29
<212> DNA
<213> Homo sapiens

<400> 15
aaaacrcctt aaaatcccg aaatcgccg

29

<210> 16
<211> 30
<212> DNA
<213> Homo sapiens

<400> 16
aactcccrcc gaccccaacc ccgacgaccg

30

<210> 17
<211> 23
<212> DNA
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> Oligonucleotide which binds bisulfite-converted human GST-Pi gene

<400> 17
aaacctaataaa aataaataaa caa 23

<210> 18
<211> 23
<212> DNA
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> Oligonucleotide which binds non-converted human GST-Pi gene

<400> 18
gggcctaggg agtaaacaga cag 23

<210> 19
<211> 25
<212> DNA
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> Oligonucleotide which binds human GST-Pi gene

<400> 19
cctttccctc tttoccarrt cccca 25

<210> 20
<211> 25
<212> DNA
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> Oligonucleotide which binds bisulfite-converted human GST-Pi gene

<400> 20
tttggtattt tttttcgggt tttag 25

<210> 21

<211> 25
<212> DNA
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> Oligonucleotide which binds non-converted human GST-Pi gene

<400> 21
cttggcatcc tcccccgggc tccag 25

<210> 22
<211> 26
<212> DNA
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> Oligonucleotide which binds human GST-Pi gene

<400> 22
gggaggggaag ggaggyaggg gytggg 26

<210> 23
<211> 31
<212> DNA
<213> Homo sapiens

<400> 23
ttatgtaata aatttgtata ttttgtatat g 31

<210> 24
<211> 25
<212> DNA
<213> Homo sapiens

<400> 24
tgtagattat ttaaggtag gagtt 25

<210> 25
<211> 27
<212> DNA
<213> Homo sapiens

<400> 25
aaacctaataa aataaacaaa caacaaa 27

<210> 26

<211> 29
<212> DNA
<213> Homo sapiens

<400> 26
aaaaaacctt tccctctttc ccaaattcc

29

<210> 27
<211> 27
<212> DNA
<213> Homo sapiens

<400> 27
tttggtggtt gtttatTTTT taggttt

27

<210> 28
<211> 26
<212> DNA
<213> Homo sapiens

<400> 28
gggatttggg aaagagggaa aggttt

26

<210> 29
<211> 24
<212> DNA
<213> Homo sapiens

<400> 29
actaaaaact ctaaacccca tccc

24

<210> 30
<211> 24
<212> DNA
<213> Homo sapiens

<400> 30
aacctaatac taccttaacc ccat

24

<210> 31
<211> 33
<212> DNA
<213> Homo sapiens

<400> 31
aatcctcttc ctactatcta tttactccct aaa

33

<210> 32
<211> 29
<212> DNA
<213> Homo sapiens

<400> 32
aaaacctaaa aaaaaaaaaa aaacttccc 29

<210> 33
<211> 29
<212> DNA
<213> Homo sapiens

<400> 33
ttggttttat gttgggagtt ttgagtttt 29

<210> 34
<211> 29
<212> DNA
<213> Homo sapiens

<400> 34
tttgtgtggg agttgggggtt tgatgttgt 29

<210> 35
<211> 29
<212> DNA
<213> Homo sapiens

<400> 35
ggtttagagt ttttagtatg gggttaatt 29

<210> 36
<211> 20
<212> DNA
<213> Homo sapiens

<400> 36
tagtattagg ttagggtttt 20

<210> 37
<211> 29
<212> DNA
<213> Homo sapiens

<400> 37
aactctaacc ctaatctacc aacaacata 29

<210> 38
<211> 29
<212> DNA
<213> Homo sapiens

<400> 38
caaaaaactt taaataaacc ctcctacca 29

<210> 39
<211> 32
<212> DNA
<213> Homo sapiens

<400> 39
gtttttgtggg tagggttgtt ttttaggtgtt ag 32

<210> 40
<211> 30
<212> DNA
<213> Homo sapiens

<400> 40
gtttttgagta tttgttgtgt ggtagttttt 30

<210> 41
<211> 30
<212> DNA
<213> Homo sapiens

<400> 41
ttaatatataaa taaaaaaaaat atattttacaa 30

<210> 42
<211> 34
<212> DNA
<213> Homo sapiens

<400> 42
gaaccccccaa taccacaaccc taatacaaat actc 34

<210> 43
<211> 26
<212> DNA
<213> Homo sapiens

<400> 43
ggtttttagtt tttggttgtt tggatg 26

<210> 44
<211> 26
<212> DNA
<213> Homo sapiens

<400> 44
ttttttttgtt ttttagtatat gtgggg 26

<210> 45

<211> 30
<212> DNA
<213> Homo sapiens

<400> 45
ataactaaaa aactattttc taatcctcta

30

<210> 46
<211> 29
<212> DNA
<213> Homo sapiens

<400> 46
ccaaactaaa aactccaaaa aaccactaa

29

<210> 47
<211> 38
<212> DNA
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> M13-human GST-Pi oligonucleotide

<400> 47
tgtataaacga cggccagtgg gatttgggaa agagggaa

38

<210> 48
<211> 38
<212> DNA
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> M13-human GST-Pi oligonucleotide

<400> 48
tgtataaacga cggccagttg ttgggagttt tgagtttt

38

<210> 49
<211> 31
<212> DNA
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> M13-human GST-Pi oligonucleotide

<400> 49
tgtaaaacga cggccagtta gtattaggtt a

31

<210> 50
<211> 37
<212> DNA
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> M13-human GST-Pi oligonucleotide

<400> 50
tgtaaaacga cggccagtgt tttgagtatt tgttgtg

37

<210> 51
<211> 35
<212> DNA
<213> Artificial/Unknown

<220>
<221> misc_feature
<222> ()..()
<223> M13-human GST-Pi oligonucleotide

<400> 51
tgtaaaacga cggccagtgt ttttagtata tgtgg

35

<210> 52
<211> 499
<212> DNA
<213> Homo sapiens

<400> 52
tgcatgac ctaagggtcag gagttcgaga ccagcccggc caacatggtg aaaccccgtc 60
tctactaaaa atacaaaaat cagccagatg tggcagcac ctataattcc acctactcgg 120
gaggctgaag cagaattgct tgaacccgag aggcggaggt tgcagtgagc cgccgagatc 180
gcgccactgc actccagcct gggccacagc gtgagactac gtcataaaat aaaataaaat 240
aacacaaaaat aaaataaaat aaaataaaat aaaataaaat aataaaaataa aataaaaataa 300
aataaaaataa aataaaaataa agcaatttcc tttcctctaa gcggcctcca cccctctccc 360
ctgccctgtg aagcgggtgt gcaagctccg ggatcgagc ggtcttaggg aatttccccc 420
cgcatgtcc cggcgcgcca gtctgctgag cacacttcgc tgcggtcctc ttctgctgt 480

ctgtttactc cctaggccc

499

<210> 53
<211> 316
<212> DNA
<213> Homo sapiens

<400> 53
gggacctggg aaagagggaa aggtttcccc ggccagctgc gcggcgactc cggggactcc 60
agggcgcccc totgcggccg acgcccgggg tgcagcggcc gccggggctg gggccggcgg 120
gagtccgceg gaccctccag aagagcggcc ggcgccgtga ctcagcactg gggcggagcg 180
gggcgggacc acccttataa ggctcggagg ccgcgaggcc ttcgctggag ttccgccgcc 240
gcagtcttcg ccaccagtga gtacgcgcgg ccgcgctccc cggggatggg gctcagagct 300
gcagcatgg ggccaa 316

<210> 54
<211> 603
<212> DNA
<213> Homo sapiens

<400> 54
gagcatcagg cccgggctcc cggcagggt cctcgcccac ctcgagaccc gggacggggg 60
cctaggggac ccaggacgtc ccagtgccg ttagcggctt tcagggggcc cggagcgcct 120
cggggaggga tgggaccccc ggggcgggga gggggggcag gctgcgctca ccgcgccttg 180
gcatactccc ccgggctcca gcaaactttt ctttgttcgc tgcagtgccg ccctacaccg 240
tgggtctatth ccagttcga ggtaggagca tgtgtctggc aggggaaggga ggcaggggct 300
ggggctgcag cccacagccc ctcgcccacc cggagagatc cgaaccccct tatccctccg 360
tcgtgtggct tttaacccgg gcctccttcc tgttccccgc ctctcccgcc atgcctgctc 420
cccgccccag tggtgtgtga aatcttcgga ggaacctgtt tacctgttcc ctccctgcac 480
tcctgacccc tccccgggtt gctgcgaggc ggagtcggcc cggccccac atctcgtact 540
tctccctccc cgcaggccgc tgcgcggccc tgcgcatgct gctggcagat cagggccaga 600
gct 603

<210> 55
<211> 266
<212> DNA
<213> Homo sapiens

<400> 55

gctctgagca cctgctgtgt ggcagtctct catccttcca cgcacatect cttccccctcc 60
tcccaggctg gggctcacag acagccccct ggttggtcca tcccagtgga ctgtgtgttg 120
atcaggcgcc cagtcacggg gcctgctccc ctccacccaa ccccagggtt ctatgggaag 180
gaccagcagg aggcagccct ggtggacatg gtgaatgacg gcgtggagga cctccgctgc 240
aaatacatct ccctcatcta caccaa 266

<210> 56
<211> 287
<212> DNA
<213> Homo sapiens

<400> 56
tccccctgct ctcagcatat gtggggcgcc tcagtgtccc gcccaagctc aaggccttcc 60
tggcctcccc tgagtacgtg aacctcccca tcaatggcaa cgggaaacag tgaggggttg 120
ggggactctg agcgggaggg agagtttgcc ttcctttctc caggaccaat aaaatttcta 180
agagagctac tatgagcact gtgtttcctg ggacggggct taggggttct cagcctcgag 240
gtcgggtggga gggcagagca gaggactaga aaacagctcc tccagca 287

<210> 57
<211> 524
<212> DNA
<213> Homo sapiens

<400> 57
ataaaaataaaa ataaaataaaa ataaagcaat ttccttttct ctaagcggcc tccacccctc 60
tccccctgcc tgtgaagcgg gtgtgcaagc tccgggatcg cagcgggtctt agggaatttc 120
cccccgcat gtcccggcgc gccagttcgc tgcgcacact tcgctgcggc cctcttctctg 180
ctgtctgttt actccctagg ccccgctggg gacctgggaa agaggggaaag gcttccccgg 240
ccagctgcgc ggcgactccg gggactccag ggcgccccctc tgcggccgac gcccggggtg 300
cagcggccgc cggggctggg gccggcggga gtccgcggga cctccagaa gagcggccgg 360
cgccgtgact cagcactggg gcggagcggg gcgggaccac cttataagg ctgggaggcc 420
gcgaggcctt cgctggagtt tcgccgcgc agtcttcgcc accagtgagt acgcgcggcc 480
cgcgtccccg gggatggggc tcagagctcc cagcatgggg ccaa 524

<210> 58
<211> 524
<212> DNA
<213> Homo sapiens

<400> 58

```
ataaaataaaa ataaaataaaa ataaagtaat tttttttttt ttaagtgggt tttatttttt 60
ttttttgttt tgtgaagtgg gtgtgtaagt tttgggattg tagtgggttt agggaatttt 120
tttttgtgat gttttggtgt gttagtttgt tgtgtatatt ttgttgtggg tttttttttg 180
ttgtttgttt attttttagg ttttgttggg gatttgggaa agagggaaaag gtttttttgg 240
ttagttgtgt ggtgattttg gggatttttag ggtgtttttt tgtggttgat gtttggggtg 300
tagtgggtgt tgggggttggg gttggtggga gtttgtggga ttttttagaa gagtgggttg 360
tgttgtgatt tagtattggg gtggagtggg gtgggattat ttttataagg tttggagggt 420
gtgaggtttt tggtggaggt ttgttgttgt agtttttgtt attagtgagt atgtgtgggt 480
tgtgtttttg gggatggggg ttagagtttt tagtatgggg ttaa 524
```

<210> 59

<211> 524

<212> DNA

<213> Homo sapiens

<400> 59

```
ataaaataaaa ataaaataaaa ataaagtaat tttttttttt ttaagcgggt tttatttttt 60
ttttttgttt tgtgaagcgg gtgtgtaagt ttcgggatcg tagcgggttt agggaatttt 120
ttttcgcgat gtttcggcgc gttagttcgt tgcgtatatt tcgttgcggg tttttttttg 180
ttgtttgttt attttttagg tttcgttggg gatttgggaa agagggaaaag gttttttcgg 240
ttagttgcgc ggcgatttcg gggatttttag ggcgtttttt tgcggtcgac gttcggggtg 300
tagcggtcgt cgggggttggg gtcggcggga gttcgcggga ttttttagaa gagcggtcgg 360
cgtcgtgatt tagtattggg gcggagcggg gcgggattat ttttataagg ttcggaggtc 420
gcgaggtttt cgttggaggt tcgtcgtcgt agttttcgtt attagtgagt acgcgcgggt 480
cgcgttttcg gggatggggg ttagagtttt tagtatgggg ttaa 524
```